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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: )  
) Before the Examiner  
Vincent P. Drnevich et al. )  
) Tamiko D. Bellamy  
Serial No. 10/779,899 )  
) Group Art Unit 2856  
Filed February 17, 2004 )  
)  
METHOD AND APPARATUS FOR )  
MEASURING DRY DENSITY )  
AND WATER CONTENT OF SOIL )

Date of Deposit: March 21, 2005  
I hereby certify that this correspondence is being  
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William F. Bahret, Reg. No. 31,087

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on the attached form, entitled Information Disclosure Statement by Applicant, is a list of documents of which Applicants are aware which they believe may be material to the examination of this application, and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Pursuant to 37 C.F.R. §1.98(2), a copy of the cited U.S. patent is not submitted herewith. Copies of the other cited references are enclosed.

This statement is being filed after the first Office Action on the merits. The statutory fee of \$180.00 for this Information Disclosure Statement is enclosed herewith. The Patent and Trademark Office is authorized to charge any deficiency or apply any overpayment credit to Deposit Account No. 50-2176.

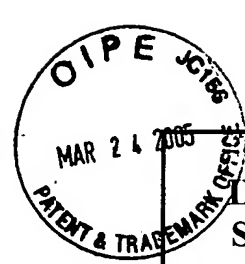
Respectfully submitted,



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03/25/2005 ZJUHAR1 00000004 10779899 180.00 DP  
01 FC:1806





<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			Application Number	10/779,899	
			Filing Date	02/17/2004	
			First Named Inventor	Vincent P. Drnevich et al.	
			Art Unit	2856	
			Examiner Name	Tamiko D. Bellamy	
Sheet	2	of	2	Attorney Docket Number	13054-215A

OTHER DOCUMENTS – NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Siddiqui, S.I., Drnevich, V.P. and Deschamps, R.J., "Time Domain Reflectometry Development for Use in Geotechnical Engineering," <i>Geotechnical Testing Journal</i> , GTJODJ, Vol. 23, No. 1, March 2000, pp. 9-20.	
		Drnevich, V. P., Lin, C. P., Yi, Q., Yu, X. and Lovell J. "Real-Time Determination of Soil Type, Water Content and Density Using Electromagnetics", Technical Summary, Report No.: FHWA/IN/JTRP-2000-20, Joint Transportation Research Program, Indiana Department of Transportation - Purdue University, August 2001, 3 p.	
		Drnevich, V.P., Yu, X., and Lovell, J., "A New Method for Water Content and In Situ Density Determination," Proceedings of the Great Lakes Geotechnical and Geoenvironmental Conference, Toledo, Ohio, May 2002, 16p	
		Ferre, P.A., Rudolph, D.L., Kachanoski, R.G., "Spatial Averaging of Water Content by Time Domain Reflectometry: Implications For Twin Rod Probes With And Without Dielectric Coating," <i>Water Resource Research</i> , Vol. 32, 1996 pp. 271-279.	
		Amente, G., Baker, J. M. and Reece, F. C., "Estimation of Soil Solution Electrical Conductivity from Bulk Soil Electric Conductivity in Sandy Soils," <i>Soil Sci. Soc. Am. J.</i> Vol. 64, 2000, pp. 1931-1939	
		Drnevich, V.P., Yu, X., Lovell, J., and Tishmack, J.K., "Temperature Effects on Dielectric Constant Determined by Time Domain Reflectometry," TDR 2001: Innovative Applications of TDR Technology, Infrastructure Technology Institute, Northwestern University, Evanston, IL, September 2001, 10 p.	
		Rinaldi, A.V. and Cuestas, A.G., "Ohmic Conductivity of a Compacted Silty Clay," <i>Journal of Geotechnical and Geoenvironmental Engineering</i> , Vol. 128, No. 10, 2002, pp. 824-835.	

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup> Applicant's unique citation designation number (optional).  
<sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.